|  |
| --- |
| **Specification for**  **MT – 262006/CRH** |
| **Flash mounted RHCP**  **Reader  Antenna** |
| 902-928 MHz, 8.5 dBic |

THIS DOCUMENT AND THE INFORMATION CONTAINED IN IT ARE PROPRIETARY AND CONFIDENTIAL TO MTI. NO PERSON IS ALLOWED TO COPY REPRINT REPRODUCE OR PUBLISH ANY PART OF THIS DOCUMENT NOR DISCLOSE ITS CONTENTS TO OTHERS NOR MAKE ANY USE OF IT NOR ALLOW OR ASSIST OTHERS TO MAKE ANY USE OF IT, UNLESS BY THE PRIOR WRITTEN EXPRESS AUTHORIZATION OF MTI AND THEN ONLY TO THE EXTENT AUTHORIZED.

# (C) COPYRIGHT – MTI WIRELESS EDGE LTD.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **REVISION RECORD** | | | | |
| **DATE** | **APVD** | **DESCRIPTION** | **ECO** | **REV** |
| 24.4.16 | YAEL H. | RELEASED | DH98 | A |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | SHEET |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | REV |
| 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | SHEET |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | REV |
| 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | SHEET |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | REV |
| 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | SHEET |
|  |  |  |  |  |  |  |  |  |  | A | A | A | A | REV |

|  |  |  |  |
| --- | --- | --- | --- |
| **PRODUCT STATUS:** | | | |
| **PRODUCTION** | **PREPRODUCTION** | **IN DEVELOPMENT** | **PROPOSAL** |

|  |  |  |  |
| --- | --- | --- | --- |
| **CONTRACT NO** | | | |
| **DATE** | **SIGN** | **NAME** | **ACTION** |
| **9.2.16** | **YAEL** | **YAEL HARASH** | **PREP** |
| **24.4.16** | **D.Z** | **DANIEL ZERAH** | **CHKD** |
|  |  |  | **CHKD** |
| **24.4.16** | **Y.M** | **YEHUDA MILER** | **CHKD** |
| **20.4.16** | **A.H** | **ASAF HVIV** | **DSGN** |
| **20.4.16** | **M.R** | **MOTI ROSTMY** | **PROJ** |
|  |  |  | **MFG** |
| 20.4.16 | M.G | **MICHA GADOT** | **QA** |
| **24.4.16** | **R.D** | **REUVEN DRORI** | **MARK.** |

SPECIFICATION

READER ANTENNA

|  |  |
| --- | --- |
| MTI PART NUMBER | MT – 262006/CRH |
| Regulatory Compliance | RoHS , CE 0682 |
|  |  |
| **1. ELECTRICAL** |  |
|  |  |
| Frequency Range | 902 - 928 MHz |
| Gain | 8.5 dBic (min) , 9.5 dBic (max) |
| VSWR | 1.5:1 (max) |
| Azimuth 3 Db Beam width | 63° (typ) |
| Elevation 3 Db Beam width | 63° (typ) |
| Polarization | RHCP |
| Side lobes Level @ 90° | -16 dB (max) |
| Axial Ratio At Boresight | 4 dB (max) |
| F/B Ratio | -18 dB (max) -20 dB (typ) |
| Input Impedance | 50 (Ohm) |
| Input Power | 6 W (max) |
| Lightning Protection | DC Grounded |
|  |  |
| 2. MECHANICAL |  |
|  |  |
| Dimensions (LxWxD) | 305x305x25 mm |
| Weight | 1.2 kg (max) |
| Connector | Cable with connector SMA Female length 150mm |
| Radome | Plastic |
| Base Plate | Aluminum with chemical conversion coating |
| Outlin Drawing | RD44025600C |
|  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **4. ENVIRONMENTAL** | | | | |
| **TEST** | **STANDARD** | **DURATION** | **TEMPERATURE** | **NOTES** |
| Low Temperature | IEC 68-2-1 | 72 h | -55°C | - |
| High Temperature | IEC 68-2-2 | 72 h | +71°C | - |
| Temp. Cycling | IEC 68-2-14 | 1 h | -45°C +70°C | 3 Cycles |
| Vibration | IEC 60721-3-4 | 30  min/axis | - | Random  4M3 |
| Shock Mechanical | IEC 60721-3-4 | - | - | 4M3 |
| Humidity | ETSI EN300-2-4 T4.1E | 144 h | - | 95% |
| Water Tightness | IEC 529 | - | - | IP54 |
| Solar Radiation | ASTM G53 | 1000 h | - | - |
| Flammability | UL94 | - | - | CLASS HB |
| Salt Spray | IEC 68-2-11 Ka | 500 h | - | - |
| Ice And Snow | - | - | - | 25mm Radial |
| Wind Speed Survival  Operation | -  - | -  - | -  - | 220 Km/h  160 Km/h |
| Wind Load (Survival):  Front Thrust  Side Thrust | -  - | -  - | -  - | 26.8 kg  2.2 kg |

E:\网页\Logo.gifwww.mtiwe.com 代理商联系方式:  
MTI Wireless Edge Ltd  
样品,评估板,参考设计,报价,技术支持

电话:0755-82565851

邮件:dwin100@dwintech.com

手机:156-2521-4151

网址: <http://www.dwintech.com/MTi_Wireless_Edge_Ltd.html>

深圳市南频科技有限公司  
D-Win Technology(HongKong) Co.,Ltd